

METHOD FOR PROTECTING ARTICLES, AND RELATED COMPOSITIONS

ABSTRACT OF THE DISCLOSURE

5 A method for protecting an article from a high temperature, oxidative environment is presented, along with alloy compositions and ion plasma deposition targets suitable for use in the method. The method comprises providing a substrate, providing an ion plasma deposition target, and depositing a protective coating onto the substrate using the target in an ion plasma deposition process. The target comprises from about 2 atom percent to about 25 atom percent chromium, and the balance comprises aluminum.